INDEX

PLANT DISEASE BULLETIN

1917.

Actinomyces chromogenus, potato, 13, 109.
Albugo ipomoeae-panduranae, sweet potato, 35, 56.
Alfalfa, anthracnose, 85.
Bacterial disease, 86.
Bacterial stem blight, 22.
Chlorosis, 86.
Crown wart, 99.
Downy mildew, 85, 99.
Leaf spot, Cercospora, 86.
Macrosporium, 86.
Pseudopeziza, 84, 99.
Root rot, Rhizoctonia, 85.
Sclerotinia, 85.
Rot, Phoma, 86.
Rust, 86.
Stem canker, 86.
White leaf spot, 22, 86.
Winter killing, 22, 85, 86.
Yellow leaf blotch, 22, 84.
Alternaria brassicae, cabbage, 48.
brassicae nigrescens, cucumber, etc., 94.
solani, potato, 13, 32, 55.
tomato, 20, 37, 59.
sp., onion, 103.
Amerosporium sp., cowpea, 101.
Angular leaf spot, cotton, 25, 53, 122.
cucumber, etc., 92.
Anthracnose, alfalfa, 85.
bean, 5, 23, 42.
cotton, 24, 52, 100, 122.
cucumber, etc., 91, 101.
grape, 27.
oats, 30.
rye, 56.
watermelon, 27.
wheat, 19.
Apple, bitter pit, 72, 89.
Bitter rot, 71, 88.
Black root rot, 73.
Black rot, 72, 90.
Blister canker, 72.
Blotch, 72, 88.
Cedar rust, 19, 69, 87, 100.
Fire blight (see Pear).
Fruit spot, 72, 90.
Leaf spot, 19.
Northwestern anthracnose, 73, 89.
Powdery mildew, 73, 90.
Scab, 19, 22, 66, 86, 99.
Sooty blotch, 72, 90.

B

Bacillus amylovorus, pear, apple, quince, 79, 97, 104.
phytophthorus, potato, 13, 55.
solanacearum, potato, 15.
tomato, 58.
tracheiphilus, cucumber, etc., 92, 101.
Bacterial disease, alfalfa, 86.
Bacterial stem blight, alfalfa, 22.
Bacterial wilt, cucumber, etc., 92, 101.
Bacteriosis, peach, 79.
Bacterium campestre, cabbage, 46, 74.
cerasi, peach, 33.
lachrymans, cucumber, etc., 92.
malvacearum, cotton, 25, 122.
phaseoli, bean, 6, 23, 42.
pruni, stone fruits, 79, 97.
Barley, net blotch, 9, 23.
Rhynchosporium, 9, 23.
Rust, leaf, 8.
yellow stripe, 19.
Smut, covered, 9.
loose, 9.
Spot blotch, 9, 23.
Stripe, 9, 23.
Bean, anthracnose, 5, 23, 42.
Blight, bacterial, 6, 23, 42.
Downy mildew, 8.
Drought injury (in Vt.), 23.
Frost injury, 42.
Mosaic, 8, 24, 42.
Nematode injury, 8.

Rust, 7, 24, 43.
Stem rots, 8.
Fusarium sp., 8.
Phoma sp., 8.
Rhizoctonia, 8, 43.
Sclerotium rolfsii, 8.
Thielavia, 8.
Beet (sugar), curly top, 112.
Leaf spot, Cercospora, 113.
Phoma, 114.
Nematode injury, 112.
Phoma rot, 113.
Root rot, Rhizoctonia, 24, 114.
Bitter pit, apple, 72, 89.
Bitter rot, apple, 71, 88.
Black chaff, wheat, 40, 82.
Black leg, cabbage, 47.
potato, 13, 55.
Black mold, cabbage, 48.
Black root rot, apple, 73
Black rot, apple, 72, 90.
cabbage, 46, 74.
grape, 27.
sweet potato, 36, 56.
Black spot, peach, 79, 97.
plum, 79.
Blade blight, corn, 52.
Blight, oats, 30.
Alternaria, onion, 103.
tomato, 20, 37, 59.
Bacterial, bean, 6, 23, 42.
oats, 30.
potato, 15.
tomato, 37, 58.
Coryneum, peach, 97.
Septoria, tomato, 37, 58.
Blister canker, apple, 72.
Blossom drop, tomato, 61.
Blossom end rot, tomato, 60.
Blotch, apple, 72, 88.
Boll rot, bacterial, cotton, 122, 124
Diplodia, cotton, 100, 122, 123.
Botrytis sp., onion, 95, 103.
Sclerotium cepivorum, onion, 95.
Brown rot, peach, 20, 34, 77, 96, 103.
Bunt, wheat, 16, 37, 62.

C

Cabbage, black leg, 47.
Black mold, 48.
Black rot, 46, 74.
Club root, 43, 73.
Damping off, 49.
Rhizoctonia, 48, 49.
Ring spot, 48.
Root Knot, 48.
Soft rots, bacterial, 48.
Stem rot, Sclerotium rolfsii, 48.
Yellows, 45, 73.
Canker, flax, 27, 53.
Cauliflower, (see Cabbage).
Cedar rust, apple, 19, 69, 87, 100.
Cercospora beticola, sugar beet, 113.
Cercospora sp., alfalfa, 86.
cowpea, 101.
Cherry (see Peach).
Gummosis, 33.
Root rot, 34.
Shot hole, 20.
Chlorosis, alfalfa, 86.
Cladosporium carpophilum, peach, 76, 96, 103.
cucumerinum, cucumber, etc., 93, 102.
fulvum, tomato, 20, 61.
Claviceps purpurea, rye, 15, 32, 56.
Club root, cabbage, 43, 73.
Coccomyces hiemalis, prune, 33.
Colletotrichum cereale, wheat, 19.
falcatum, sugar cane, 114.
gossypii, cotton, 100, 122.
lagenarium, cucumber, etc., 91 101.
watermelon, 27.
lindemuthianum, bean, 5, 23, 42.
trifolii, alfalfa, 85.
Corn, blade blight, 52.
Diplodia, 52.
Ear molds, Fusarium, 52.
Leaf stripe, 51.
Physoderma, 9, 51, 116.
Rots, bacterial root, 52.
Diplodia, 52.
Fusarium, 52.
Rust, 51, 52.
Smut, 49, 74.
Coryneum beijerinckii, peach, 97.
Cotton, angular leaf spot, 25, 53, 122.
Anthracnose, 24, 52, 100, 122.
Boll rots, 121.
Bacterial, 122, 124.
Diplodia, 100, 122, 123.
Potash hunger, 25, 53, 119.
Root knot, 26, 53.

Wilt, 25, 53.
Cowpea, leaf spot, Amerosporium, 101.
Cercospora, 101.
Powdery mildew, 101.
Wilt, 100.
Crown gall, grape, 27.
Crown wart, alfalfa, 99.
Cucumber, etc., angular leaf spot, 92.
Anthracnose, 91, 101.
Bacterial wilt, 92, 101.
Downy mildew, 92, 101.
Leaf spot, Alternaria, 102.
Mosaic, 90, 102.
Powdery mildew, 102.
Rust, 94.
Scab, 93, 102.
Wilt, 93.
Fusarium, 93, 102.
Curly top, beet, 112.
Cylindrosporium padi, cherry, plum, 20.

D

Damping off, cabbage, 49.
tomato, 20.
Dead arm, grape, 27.
Diplodia, corn, 52.
gossypina, cotton, 100, 122.
zeae, corn, 52.
Downy mildew, alfalfa, 85, 99.
bean, 8.
cucumber, etc., 92, 101.
grape, 27.
onion, 94, 103.
Drought injury (in Vermont), bean, 23.
pear, 30.
prune, 33.

E

Ear molds, Fusarium, corn, 52.
Early blight, potato, 13, 32, 55.
Ergot, rye, 15, 32, 56.
Erysiphe polygoni, cowpea, 101.
cichoracearum, cucumber, etc., 102.
Exoascus deformans, peach, 32, 74, 95, 103.

F

Fire blight, pear, 79, 97, 104.
Flax, canker, 27, 53.
Rust, 27, 53.
Wilt, 27, 53.
Foot rot, sweet potato, 35.
Frost injury, 64, 83.
bean, 42.
Fruit spot, apple, 72, 90.
Fusarium, corn, 52.
batatatis, sweet potato, 34, 56.
conglutinans, cabbage, 45, 73.
culmorum, wheat, 18, 38, 62.
hyperoxysporum, sweet potato, 34.
lini, flax, 27, 53.
lycopersici, tomato, 37, 56.
oxysporum, 14, 32, 107.
sp., bean, 8.
cantaloupe, 28.
corn, 52.
pepper, 82.
tomato, 20.
vasinfectum, cotton, 25.
cowpea, 100.
Fusarium wilt, cucumber, etc., 93, 102.

G

Germination troubles, potato, 14.
Gloeosporium ampelophagum, grape, 27.
Glomerella gossypii, cotton, 24.
rufomaculans, apple, 71, 88.
Grape, anthracnose, 27.
Black rot, 27.
Crown gall, 27.
Dead arm, 27.
Downy mildew, 27.
Powdery mildew, 27.
Guignardia bidwellii, grape, 27.
Gummosis, cherry, 33.
peach, 33.
prune, 33.
Gymnosporangium Juniperi-virginianae, apple, 19, 69, 87, 100.

H

Helminthosporium gramineum, barley, 9, 23.
inconspicuum, corn, 51.

tores, barley, 9, 23.
turcicum, corn, 51.
Heterodera radicicola, cabbage, 48.
cotton, 26.
schachtii, sugar beet 112.

L

Late blight, potato, 11, 30, 54, 104.
tomato, 61.
Leaf blight, Phyllosticta, sweet potato, 36.
Leaf curl, peach, 32, 74, 95, 103.
Leaf mold, tomato, 20, 61.
Leaf spot, Alternaria, cucumber, etc., 102.
Amerosporium, cowpea, 101.
apple, 19.
Cercospora, alfalfa, 86.
beet, 113.
cowpea, 101.
Macrosporium, alfalfa, 86.
Phoma, beet, 114.
prune, 33.
Pseudopeziza, alfalfa, 99.
Septoria, sweet potato, 36.
Leaf stripe, corn, 51.
Leptothyrium pomi, apple, 72, 90.

M

Macrosporium sp., alfalfa, 86.
onion, 95.
Marasmius plicatus, sugar cane, 114.
Melampsora lini, flax, 27, 53.
Melanconium sacchari, sugar cane, 114.
Mildew, downy, alfalfa, 85, 99.
bean, 8.
cucumber, etc., 92, 101.
grape, 27.
onion, 94, 103.
powdery, apple, 73, 90.
cowpea, 101.
cucumber, etc., 102.
gooseberry, 26.
grape, 27.
peach, 97.
Monilochaetes infuscans, sweet potato, 37.

Mosaic, bean, 8, 24, 42.
cucumber, 90, 102.
pepper, 82.
potato, 13, 55.
tomato, 20, 61.
Muskmelon (see Cucumber).
Wilt, Fusarium, 28.
Mycosphaerella brassicicola, cabbage, 48.

N

Neck rot, Botrytis, onion, 95, 103.
Sclerotium, onion, 95.
Nematode injury, bean, 8.
beet, 112.
potato, 15.
Neofabraea malicorticis, apple, 73, 89.
Net blotch, barley, 9, 23.
Northwestern anthracnose, apple, 73, 89.
Nummularia discreta, apple, 72.

O

Oats, anthracnose, 30.
Blight, 30.
Blight, bacterial, 30.
Smut, 28, 53, 74.
Onion, blight, Alternaria, 103.
Downy mildew, 94, 103.
Macrosporium, 95.
Neck rot, Botrytis, 95, 103.
Sclerotium, 95.
Pink root, 103.
Rot, Fusarium, 95.
Smut, 94, 102.
Spot, Vermicularia, 95, 103.
Oospora scabies, potato, 13.
Ozonium omnivorum, sweet potato, 37.

P

Peach, bacteriosis, 79.
Black spot, 79, 97.
Blight, Coryneum, 97.
Brown rot, 20, 34, 77, 96, 103.
Gummosis, 33.
Leaf curl, 32, 74, 95, 103.
Powdery mildew, 97.
Scab, 20, 76, 96, 103.

Winter injury, 79.
Yellows, 78, 97.
Pear, drought injury, 30.
Fire blight, 79, 97, 104.
Scab, 81.
Pepper, mosaic, 82.
Pod canker, 82.
Wilt, Fusarium, 82.
Peronospora schleideniana, onion, 94, 103.
trifolicrum, alfalfa, 85, 99.
Phoma betae, sugar beet, 113.
destructiva, tomato, 20, 60.
oleracea, cabbage, 47.
pomi, apple, 72, 90.
sp., alfalfa, 86.
bean, 8.
potato, 15.
Phyllosticta batatas, sweet potato, 36.
medicaginis, alfalfa, 84.
solitaria, apple, 72, 88.
Physalospora cydoniae, apple, 19, 72.
Physoderma zeae-maydis, corn, 9, 51. 116.
Phytophthora infestans, potato, 11, 30, 54, 104.
tomato, 61.
phaseoli, bean, 8.
Pink root, onion, 103.
Plasmodiophora brassicae, cabbage, 43, 73.
Plenodomus destruens, sweet potato, 35.
Pleosphaerulina briosiana, alfalfa, 86.
Plum (see Peach).
Pod canker, pepper, 81, 82.
Podosphaera leucotricha, apple, 73, 90.
Potash hunger, cotton, 25, 53, 119.
potato, 12, 54.
Potato, black leg, 13, 55.
Blight, bacterial, 15.
Early blight, 13, 32, 55.
Germination troubles, 14.
Late blight, 11, 30, 54, 104.
Leaf spot, Verticillium, 15.
Mosaic, 13, 55.
Nematode injury, 15.
Phoma sp., 15.
Potash hunger, 12, 54.
Powdery scab, 31, 112.
Rhizoctonia, 111.
injury, 13.
Scab, common, 13, 109.
Stem rot, Rhizoctonia, 55.
Streak, 15.
Tip burn, 14, 31, 55.
Wilt, Fusarium, 14, 32, 107.
Sclerotium, 14.
Verticillium, 32.
Powdery mildew, apple, 73, 90.
cowpea, 101.
cucumber, etc., 102.
gooseberry, 26.
grape, 27.
peach, 97.
Prune (see Peach).
Drought effects, 33.
Gummosis, 33.
Leaf spot, 33.
Pseudomonas phaseoli, bean, 6, 23, 42.
Pseudoperonospora cubensis, cucumber, etc., 92, 101.
Pseudopeziza medicaginis, alfalfa, 84, 99.
Puccinia glumarum, wheat, 19, 39, 62.
graminis, wheat, 19.
simplex, barley, 8.
sorghi, corn, 51.
triticina, wheat, 18, 39, 62.

R

Red rot, sugar cane, 114.
Rhizoctonia solani, potato, 13, 55.
Rhizoctonia sp., alfalfa, 85.
bean, 8, 43.
cabbage, 48, 49.
sugar beet, 24, 114.
tomato, 20.
Rhizopus nigricans, sweet potato, 37.
Rhynchosporium graminicola, barley, 23.
Rind disease, sugar cane, 114.
Ring spot, cabbage, 48.
Root knot, cabbage, 48.
cotton, 26, 53.
Root rot, cherry, 34.

Rhizoctonia, alfalfa, 85.
beet, 24, 114.
Sclerotinia, alfalfa, 85.
sugar cane, 114.
sweet potato, 37.
Texas, cotton, 26.
Rot, Fusarium, onion, 95.
Phoma, alfalfa, 86.
beet, 113.
tomato, 20, 60.
Rots, bacterial root, corn, 52.
Rust, alfalfa, 86.
bean, 7, 24, 43.
black stem, wheat, 19.
corn, 51, 52.
cucumber, etc., 94.
flax, 27, 53.
leaf, barley, 8.
wheat, 18, 39, 62.
yellow stripe, wheat, 19, 62.
Rye, anthracnose, 56.
Ergot, 15, 32, 56.
Smut, 15.

S

Scab, apple, 19, 22, 66, 86, 99.
cucumber, etc., 93, 102.
peach, 20, 76, 96, 103.
pear, 81.
potato, 13, 109.
powdery, potato, 31, 112.
wheat, 18, 38.
Sclerotinia cinerea, stone fruits, 20, 34, 77, 96, 103.
libertiana, cabbage, 48.
trifoliorum, alfalfa, 85.
Sclerotium cepivorum, onion, 95.
rolfsii, bean, 8.
cabbage, 48.
potato, 14.
Scurf, sweet potato, 37.
Septoria bataticola, sweet potato, 36.
lycopersici, tomato, 37.
Shot hole, cherry, 20.
Smut, corn, 49, 74.
covered, barley, 9.
loose, barley, 9.
wheat, 17, 38, 62.
oats, 28, 53, 74.
onion, 94, 102.
rye, 15.
stinking, wheat, 16, 37, 62.
Soft rots, bacterial, cabbage, 48.
Sooty blotch, apple, 72, 90.
Sphaeronema fimbriatum, sweet potato, 36, 37, 56.
Sphaeropsis malorum, apple, 72.
Sphaerotheca mors-uvae, gooseberry, 26.
Spongospora subterranea, potato, 31, 112.
Spot blotch, barley, 9, 23.
Spot, Vermicularia, onion, 95, 103.
Stem canker, alfalfa, 86.
Stem rot, Fusarium, sweet potato, 34.
Rhizoctonia, potato, 13, 55, 111.
Sclerotium, bean, 8.
cabbage, 48.
Stem rots, bean, 8.
Storage rots, sweet potato, 37.
Streak, potato, 15.
Stripe, barley, 9, 23.
Sugar cane, red rot, 114.
Rind disease, 114.
Root rot, 114.
Sweet potato, black rot, 36, 56.
Foot rot, 35.
Leaf blight, Phyllosticta, 36.
Leaf spot, Septoria, 36.
Root rot, 37.
Scurf, 37.
Stem rot, Fusarium, 34.
Storage rots, 37.
White rust, 35, 56.
Wilt, Fusarium, 56.

T

Thelephora sp., cherry, 34.
Thielavia, bean, 8.
Tilletia foetens, wheat, 16, 37, 62.
tritici, wheat, 16, 37, 62.
Tip burn, potato, 14, 31, 55.
Tomato, blight, Alternaria, 20, 37, 59.
Blight, bacterial, 37, 58.
Septoria, 37, 58.
Blossom drop, 61.
Blossom end rot, 60.
Damping off, 20.
Late blight, 61.
Leaf mold, 20, 61.
Mosaic, 20, 61.
Rot, Phoma, 20, 60.
Wilt, Fusarium, 20, 56.

U

Urocystis cepulae, onion, 94, 102.
occulta, rye, 15.
Uromyces appendiculatus, bean, 7, 24, 43.
sp., alfalfa, 86.
Urophlyctis alfalfae, alfalfa, 99.
Ustilago avenae, oats, 28, 53. 74.
hordei, barley, 9.
levis, oats, 28, 53, 74.
nuda, barley, 9.
tritici, wheat, 17, 38, 62.
zeae, corn, 49, 74.

V

Venturia inaequalis, apple, 19, 22, 66, 86, 99.
pyrina, pear, 81.
Vermicularia circinans, onion, 95.
sp., onion, 103.
Verticillium albo-atrum, potato, 15, 32.

W

Watermelon (see Cucumber).
Anthracnose, 27.
Wheat, anthracnose, 19.
Black chaff, 40, 82.
Bunt, 16, 37, 62.
Rust, black stem, 19.
leaf, 18, 39, 62.
yellow stripe, 19, 62.
Scab, 18, 38.
Smut, loose, 17, 38, 62.
Stinking smut, 16, 37, 62.
White leaf spot, alfalfa, 22, 86.
White rust, sweet potato, 35, 56.
Winter injury, peach, 79.
Winter killing, alfalfa, 22, 85, 86.
Wilt, cotton, 25, 53.
cowpea, 100.
cucumber, etc., 93.
flax, 27, 53.
Fusarium, cucumber, etc., 93, 102.
muskmelon, 28.
pepper, 82.
potato, 14, 32, 107.
sweet potato, 56.
tomato, 20, 56.
Sclerotium, potato, 14.
Verticillium, potato, 15, 32.

X

Xylaria sp., apple, 73.

Y

Yellow leaf blotch, alfalfa, 22, 84.
Yellow stripe, barley, 19.
Yellows, cabbage, 45, 73.
peach, 78, 97.

Hellebrand